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p.1

Nixon Peabody LLP

Attorneys at Law

100 Summer Street Boston, Massachusetts 02110-2131 (617) 345-1000

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INTERNATIONAL PHONE NUMBERS MUST INCLUDE COUNTRY & CITY CODE. SEE LOCAL WHITE PAGES FOR CODES NEEDED.

From: Ronald I. Eisenstein		No. of Pages:	
Leena H. Karttunen	Date: November 30, 2006	(including this page) 11	701586-054202-US
Rita W. Lim	,	, , , ,	

Practitioner's Docket No. 701586-54202

PATENT

IN THE UNITED STATES RECEIVING OFFICE

PCT/US2004/033175	08.10.2004 08 October 2004	08.10.2003 08 October 2003
International	International	International Earliest
Application Number	Filing Date	Priority Date

TITLE OF INVENTION:

METHODS FOR PRENATAL DIAGNOSIS OF CHROMOSOMAL ABNORMALITIES

APPLICANT(S) FOR EO/DO/US:

Charles R. CANTOR et al.

U.S.S.N.:

10/575,119

Commissioner for Patents

P. O. Box 1450

Alexandria, VA 22313-1450

CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that the following papers are being facsimile transmitted to the Patent sand Trademark Office at (571) 273-8300 on the date shown below:

- 1. Certificate of Facsimile (1 pg.)
- 2. Transmittal Letter PTO 1390 and a duplicate copy (6 pg.)
- 3. Information Disclosure Statement (2 pg.)
- 4. Form SB/08A (1 pg.)

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INTERNATIONAL PHONE NUMBERS MUST INCLUDE COUNTRY & CITY CODE. SEE LOCAL WHITE PAGES FOR CODES NEEDED. From: Ronald I. Eisenstein No. of Pages: Client/Matter:701586-054202-US Leena H. Kanttunen Date: November 30, 2006 (including this page) 11 Rita W. Lim

User #: 7468 Ext: 6054 Disbursement Amount: \$

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NOV 3 0 2006

FORM PTO-1390 (REV 12-2001)	U.S. DEPARTME	NT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEYS DOCKET NUMBER
TRANSMITTAL LETTER TO THE ENITED STATES			701586-54202
DESIGNATED/ELECTED OFFICE (DO/EO/US)			U.S. APPLICATION NO. (If known, see 37 CFR 1.5)
		G UNDER 35 U.S.C. 371	10/575,119
INTERNATIONAL A		INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED
PCT/US2004/03		08 October 2004	08 October 2003
	ON METHODS FOR DO/EO/US Charles R. O	PRENATAL DIAGNOSIS OF CHROM	10SOMAL ABNORMALITIES
other information: 1. □ This is a F 2. ☑ This is a S 3. □ This is an submission 4. □ The US ha 5. □ A copy of a. □ is attac b. □ has bee c. □ is not r 6. □ An English a. □ is attac b. □ has bee 7. □ Amendme a. □ are atta b. □ have be c. □ have no d. □ have no d. □ have no d. □ An English 371(c)(3)). 9. □ An oath or 10. □ An English	FIRST submission of ECOND or SUBSE express request to promise the include items as been elected by the the International Applied in communicated by equired, as the applied he language translation had hereto, en previously submitted to the claims of the communicated by the theoreto (required een communicated by the been made; however the theoreto is the claims of the communicated by t	on of the amendments to the claims under enventor(s) (35 U.S.C. 371(c)(4)). on of the annexes to the International Pre	.C. 371, ag a filing under 35 U.S.C. 371, bedures (35 U.S.C. 371(f)). The rity date (Article 31). ational Bureau). beiving Office (RO/US). ad (35 U.S.C. 371(c)(2)). Article 19 (35 U.S.C. 371(c)(3)). national Bureau). adments has NOT expired. br PCT Article 19 (35 U.S.C.
Items 11 to 20 bel	low concern docum	ent(s) or information included: tement under 37 CFR 1.97 and 1.98.	
12. An assignrincluded.	nent document for re	ecording. A separate cover sheet in com	pliance with 37 CFR 3.28 and 3.31 is
13.□ A FIRST p	oreliminary amendme	ent.	
14. An Applica	ation Data Sheet und	ler 37 CFR 1.76.	
15.□ A substitut	te specification.		
		and/or address letter.	
17.□ A compute - 1.825.	r-readable form of the	he sequence listing in accordance with P	CT Rule 13ter.2 and 35 U.S.C. 1.821
18. □ A second of	opy of the published	d international application under 35 U.S.	C. 154(d)(4).
19. □ A second of 154(d)(4).	opy of the English la	anguage translation of the international a	application under 35 U.S.C.
20. Other item: PTO 1449/		rtificate of Facsimile Transmission; Info	rmation Disclosure Statement; Form

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Nov 30 06 03:23p NIXON PEABODY 18667410075 p.4

U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.50)			INTERNATIONAL APPLICAT	TION NO.	ATTORNEYS DOCKET NUMBER		
10/575,119			PCT/US2004/033	3175	701586-054202		
The following fees are submitted:						CULATIONS	PTO USE ONLY
21. Basic national fee (37 CFR 1.492(e))\$300.00							
22. 🗖 Exa	mination fee	· •• · • • • • • • • • • • • • • • • •		\$200.00	S		
If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)							·
23. 🗆 Sear	rch fee			\$500.00	\$		
23. Search fee							
	TOTAL OF 21, 22 a	and 23 =		\$	\$		
(excluding program l	g sequence listing in elections in the sequence of the sequenc	compliance tronic media	igs filed in paper over 100 with 37 CFR 1.821(c) or arm) (37 CFR 1.492(j)). its of paper or fraction the	(e) or computer		-	
Total Shects	Extra sheets		f each additional 50 or ereof (round up to a nber)	RATE			:
- 100 =	/50 =			x \$250.00	S		
Surcharge of \$1 earliest claimed	30.00 for furnishing priority date (37 CF)	the oath or (R 1.492(e)).	declaration later than 30 n	nonths from the	\$		
CLAIMS	NUMBER	FILED	NUMBER EXTRA	RATE			
Total claims		- 20 =		× \$50.00	\$		
Independent cla	nims	- 3 = ;		x S200.00	\$		
MULTIPLE DE	PENDENT CLAIM	(S) (if applic	able)	+ \$360.00	\$		
	TOT	AL OF	ABOVE CALCUL	ATIONS =	\$		
Applicant o		itus. See 37	CFR 1.27. The fees indi-	cated above are	\$		
SUBTOTAL =						\$0	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).					S		
TOTAL NATIONAL FEE =							
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). S40.00 per property +					S		
		1	TOTAL FEES EN	CLOSED =	S 0	· ,	
						unt to be ided:	\$ 0
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a.		A check in the amount of S to cover the above fees is enclosed.
b.		Please charge my Deposit Account No. 19-2380 in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.
c.	☑	The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 19-2380. A duplicate copy of this sheet is enclosed.
d.		Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.
NO mi	OTE: '	Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) iled and granted to restore the application to pending status.
SEI	ND ALL	CORRESPONDENCE TO:
10 Bc	0 Sun	PEABODY LLP nuner Street MA 02110-2131 Es-6054 Ronald I. Eisenstein (Reg. No. 30,628) Leena H. Karttunen (L0207)

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NOV 3 0 2006

FORM PTO-1390 (REV 12-2001) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE ATTORNEYS DOCKET NUMBER 701586-54202 TRANSMITTAL LETTER TO THE UNITED STATES U.S. APPLICATION NO. (If knows, see 37 CFR 1 5) DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371 10/575,119 INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PRIORITY DATE CLAIMED PCT/US2004/033175 08 October 2004 08 October 2003 TITLE OF INVENTION METHODS FOR PRENATAL DIAGNOSIS OF CHROMOSOMAL ABNORMALITIES APPLICANT(S) FOR DO/EO/US Charles R. CANTOR et al. Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: 1. This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3.

This is an express request to promptly begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4.

The US has been elected by the expiration of 19 months from the priority date (Article 31). 5. A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. \Box is attached hereto (required only if not communicated by the International Bureau). b. \square has been communicated by the International Bureau. c. D is not required, as the application was filed in the United States Receiving Office (RO/US). An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. D is attached hereto. b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4). 7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)). a.

are attached hereto (required only if not communicated by the International Bureau). b. D have been communicated by the International Bureau. c. D have not been made; however, the time limit for making such amendments has NOT expired. d. D have not been made and will not be made. 8.

An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. 🗆 An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: 11. An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. A FIRST preliminary amendment. 14. ☐ An Application Data Sheet under 37 CFR 1.76. 15. ☐ A substitute specification. 16. ☐ A change of power of attorney and/or address letter. 17. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 18. A second copy of the published international application under 35 U.S.C. 154(d)(4). 19. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. ☑ Other items or information: Certificate of Facsimile Transmission; Information Disclosure Statement; Form PTO 1449/SB/08A



U.S. APPLICATION N	APPLICATION NO. (15 kmown, see 37 C F R 1 50) INTERNATIONAL APPLICATION NO.		ATTORNEYS DOCKET NUMBER				
10/575,119	0/575,119 PCT/US2004/033175			3175		701586-05420	02
The following fees are submitted:					CALC	ULATIONS	PTO USE ONLY
21.					\$		
22. 🗖 Exami	ination fee	• • • • • • • • • • • • • • • • • • • •	·	\$200.00	S	······	
report Article	If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)						i i
23. Search	1 fee	••••••	•••••••••••••••••••••••••••••••••••••••	\$500.00	S		
23. Search fee							
το	OTAL OF 21, 22 :	and 23 =		s	\$		
(excluding s program list The fee is \$2	(excluding sequence listing in compliance with 37 CFR 1.821(c) or (c) or computer program listing filed in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.						
		whole nu	nber)				<u> </u>
	- 100 = /50 =			x \$250.00	\$		
Surcharge of \$130 cartiest claimed pr	0.00 for furnishing riority date (37 CF)	the oath or R 1.492(c))	declaration later than 30 r	months from the	s		
CLAIMS	NUMBER		NUMBER EXTRA	RATE			
Total claims		• 20 =		x \$50.00	\$		
Independent claim	35	- 3 =		x \$200.00	\$		
MULTIPLE DEPI	ENDENT CLAIM	(S) (if appli	cable)	+ \$360.00	\$		<u> </u>
	тот	TAL OF	ABOVE CALCUL	ATIONS =	\$		
Applicant clair reduced by 1/2.	ims small entity sta	utus. See 37	CFR 1.27. The fees indi	cated above are	\$		
			SU	BTOTAL =	\$0		
Processing fee of s from the earliest of	\$130.00 for furnish laimed priority dat	ning the Eng e (37 CFR	tlish translation later than 1.492(f)).	30 months	s	S	
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		r sheet (37 (FR 1.21(h)). The assignm CFR 3.28, 3.31). \$40.00 j	per property +	S		
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		Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) Hed and granted to restore the application to pending status.
SEN	D ALL	CORRESPONDENCE TO:
		SHOWATURE
וא	XON	PEABODY LLP
10	0 Sun	nmer Street Ronald I. Eisenstein (Reg. No. 30,628)
Во	ston,	MA 02110-2131 Leena H. Karttunen (L0207)
(61	17) 34	15-6 054